



DEPARTMENT OF INSTRUMENTATION AND APPLIED PHYSICS

भारतीय विज्ञान संस्थान / INDIAN INSTITUTE OF SCIENCE

बैंगलूर / BANGALORE - 560 012, INDIA

CERTIFICATE

This is to certify that Mr. B.S. Bharat (Reg. No. 175154602,) student of M.Sc. (Electronics) from Mangalore University, has successfully completed his project titled *"FABRICATION AND PERFORMANCE EVALUATION OF THIN FILM THERMOCOUPLES"* in the department of Instrumentation and Applied Physics, Indian Institute of Science, Bangalore under my supervision during the period January - April 2019.

Dr. K.R. GUNASEKHAR
Principal Research Scientist
Dept. Of Instrumentation & Applied Physics
Indian Institute of Science
Bangalore - 560 012, India.
Ph : 080-22933194, E-mail : krguna@iisc.ac.in



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MYS / KN

July 2, 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Aravinda V** a student of **Mangalore University, Mangalore** has completed Project titled "**Smart USB Reader for Energy Meter**" in our organization from **20.01.2019 to 10.06.2019**.

The Project was guided by **Mr. Devrat Singh - Senior Project Manager - MPS Design Engineering**

During this period **Mr. Aravinda V** has shown keen interest and completed the Project successfully.

We wish him success in all his endeavors.

For Larsen & Toubro Limited

K Nagaraja

Asst. General Manager

Administration & Plant Engg.

MANGALORE UNIVERSITY

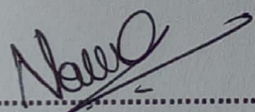
MANGALAGANGOTRI



DEPARTMENT OF ELECTRONICS

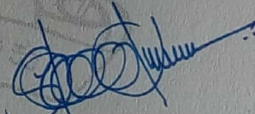
CERTIFICATE

This is to certify that the project entitled "INTEGRATION OF BLOCKCHAIN WITH IOT" was carried out by SHREEDHARA DG Reg. no. 175154609 a student of MANGALORE UNIVERSITY, in partial fulfilment for the award of "MASTER OF ELECTRONICS", During the year 2017-2019. The project report has been approved as it satisfies the academic requirements in respect of project prescribed for the said degree.


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Name & Signature of the Guide

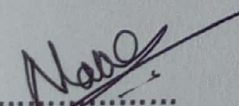
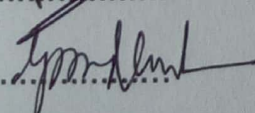
NaveenChandra Kumar
Dept. of Electronics
MANGALORE UNIVERSITY


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Name & Signature of the HOD

Dr.NaveenKumar S K
Dept. of Electronics
MANGALORE UNIVERSITY

EXTERNAL EXAMINERS

1. 
.....
2. 
.....

Dr. MURTHI MAHADEVA NAIK'S

Date: 15/09/2019

Place: Mangalagangotri

MANGALORE



UNIVERSITY

CERTIFICATE

This is to certify that the project entitled **“AUTOMATIC CAR PARKING SYSTEM”** has been successfully completed by **BIBIANA LYNGDOH NONGLAIT** bearing register number **175154603**, for the partial fulfilment of the requirements for the award of the degree of the Master of Science in Electronics prescribed by Mangalore University, Mangalagangothri, during the year 2018-2019.

GUIDE

[Signature]
03/07/19

Mrs. Nishatha. N

Lecturer

Department of Electronics

Mangalore University

HEAD OF DEPARTMENT

[Signature]

Dr. Naveen Kumar S.K.

Professor and Chairman

Department of Electronics

Mangalore University

Examiners:

1. *[Signature]*

2. *[Signature]*

Dr. MURTHI MAHADEVANA NAIK.G

Date:

Place:



MANGALORE UNIVERSITY
Mangalagangothri, Konaje, Karnataka-574199

CERTIFICATE

This is to certify that the project entitled “**Implementation of Vending Machine Logic using Verilog HDL On FPGA Board**” is a bona fide work carried out by **K N HAREESH (REG.NO:175154604)** in partial fulfillment for the award of degree of Master of Science in Electronics prescribed by **Mangalore University**, Mangalagangothri, during the year **2018-2019**. The project work has been approved as it satisfies the academic requirements in respect of the project work prescribed for master’s degree in Electronics.

.....
Guide:
Mr. Beerasha R S
Lecturer
Department of Electronics
Mangalore University
Mangalagangothri
Konaje-574199

.....
Head of The Department:
Dr. Naveen Kumar S.K.
Professor and Chairman
Department of Electronics
Mangalore University
Mangalagangothri
Konaje-574199

Name of the Examiners

1.
2.

Dr. MURTHI MAHADEVA NANK.G

DATE:

PLACE:



MANGALORE UNIVERSITY

Mangalagangothri, Konaje, Karnataka-574199

CERTIFICATE

This is to certify that the project entitled “**Auto verification and authentication in EVM**” is a bona fide work carried out by **Nikhil B V**(Reg No. 175154605), in partial fulfillment for the award of degree of **Master of Science in Electronics** prescribed by **Mangalore University**, Mangalagangothri, during the year **2018-2019**. The project work has been approved as it satisfies the academic requirements in respect of the project work prescribed for master’s degree in Electro

Rakesh
29/06/2019

Naveen Kumar S.K.

Guide:
Mr. Rakesh Prabhu
Lecturer
Department of Electronics
Mangalore University
Mangalagangothri
Konaje - 574199

Head of the Department
Dr. Naveen Kumar S.K.
Professor and Chairman
Department of Electronics
Mangalore University
Mangalagangothri
Konaje - 574199

Name of the Examiners

1.....*Naveen*.....

2.....*Murthi*.....

DY. MURTHI MAHADEVA NAIK S

Date:

Place:

Mangalore University

MANGALORE UNIVERSITY



CERTIFICATE

This is to certify that the project entitled “**Performance estimation of MIMO and OFDM system for 4G and 5G systems**” has been successfully completed by **Samskruthi. T. K** and **Pavithra. K** bearing the register number **175154608** and **175154606**, for partial fulfilment of the requirements for the award of the degree of the Master of Science in Electronics prescribed by Mangalore University, Mangalagangothri, during the year 2018-2019.

Guide

Dr. Ambresh Prabhakar Ambalgi

Assistant professor

Department of Electronics

Mangalore University

Head of the Department

Dr. Naveen Kumar S.K.

Professor and Chairman

Department of Electronics

Mangalore University

Examiners:

1.

2.

Dr. MURTHI MAHADEVA NAIK. G

Date: 15-07-19

Place:



MANGALORE UNIVERSITY

Mangalagangothri, Konaje, Karnataka-574199

CERTIFICATE

This is to certify that the project entitled “**Currency Recognition System**” is a bona fide work carried out by **Prathima.k** (Reg No. 175154607), in partial fulfillment for the award of degree of **Master of Science** in **Electronics** prescribed by **Mangalore University**, Mangalagangothri, during the year **2018-2019**. The project work has been approved as it satisfies the academic requirements in respect of the project work prescribed for master’s degree in Electronics.

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Guide:
Dr.Ravi.S
Lecturer
Department of Electronics
Mangalore University
Mangalagangothri
Konaje-574199

.....
Head of the Department
Dr. Naveen Kumar S.K.
Professor and Chairman
Department of Electronics
Mangalore University
Mangalagangothri
Konaje-574199

Name of the Examiners

- 1.
- 2.

Dr. MURTHI MAHADEVA NAIK.G

Date:

Place: